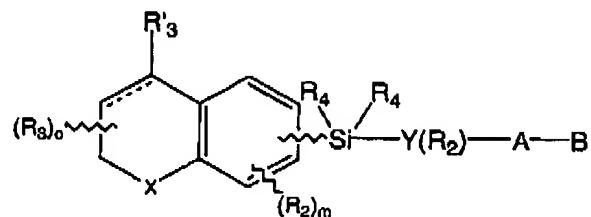


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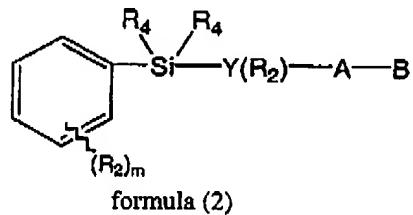
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WHAT IS CLAIMED IS:

1. A compound selected from the group consisting of Formulas 1, 2, 3 and



formula (1)



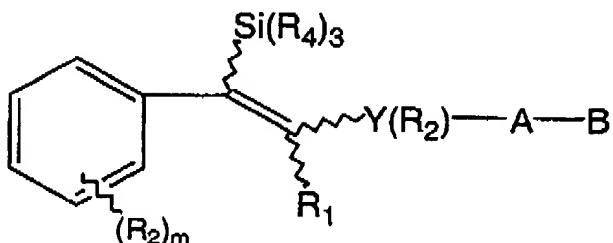
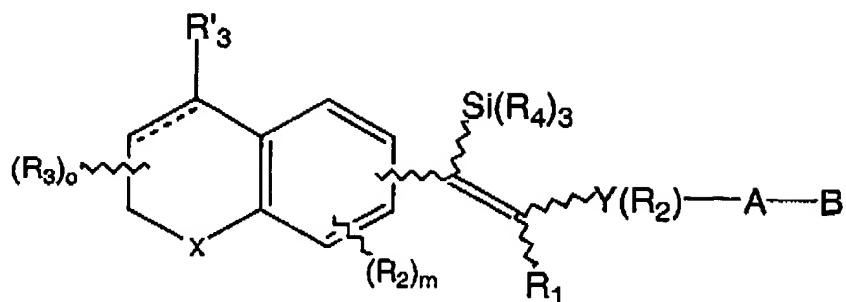
formula (2)

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wherein the dashed line represents a bond or absence of a bond;

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X is S, O, NR' where R' is H or alkyl of 1 to 6 carbons, or
 X is $(C(R_1)_2)_n$ where R_1 is H or alkyl of 1 to 6 carbons, and n is an integer

having the value of 0 or 1;

5 R_2 is hydrogen, lower alkyl of 1 to 6 carbons, F, Cl, Br, I, CF_3 ,
 fluoro substituted alkyl of 1 to 6 carbons, OH, SH, alkoxy of 1 to 12 carbons, or
 alkylthio of 1 to 12 carbons, benzyloxy or $C_1 - C_{12}$ alkylbenzyloxy;

R_3 is hydrogen, lower alkyl of 1 to 6 carbons or F;

m is an integer having the value of 0 - 3;

10 o is an integer having the value of 0 - 4 when the dashed line represents
 absence of a bond, and 0 - 3 when the dashed line represents a bond;

R_3' is hydrogen, lower alkyl of 1 to 6 carbons, F or $(R_{15})_r$ -phenyl, $(R_{15})_r$ -
 naphthyl, or $(R_{15})_r$ heteroaryl where the heteroaryl group has 1 to 3 heteroatoms

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selected from the group consisting of O, S and N, r is an integer having the values of 0 - 5;

R₄ is alkyl of 1 to 8 carbons, or phenyl;

Y is a phenyl or naphthyl group, or heteroaryl selected from a group consisting of pyridyl, thienyl, furyl, pyridazinyl, pyrimidinyl, pyrazinyl, thiazolyl, oxazolyl, imidazolyl and pyrazolyl, said phenyl and heteroaryl groups being optionally substituted with one or two R₂ groups;

R₁₅ is independently H, F, Cl, Br, I, NO₂, N(R₈)₂, NH(R₈), COR₈, NR₈CON(R₈)₂, OH, OCOR₈, OR₈, CN, an alkyl group having 1 to 10 carbons, 10 fluoro substituted alkyl group having 1 to 10 carbons, an alkenyl group having 1 to 10 carbons and 1 to 3 double bonds, alkynyl group having 1 to 10 carbons and 1 to 3 triple bonds, or a trialkylsilyl or trialkylsilyloxy group where the alkyl groups independently have 1 to 6 carbons;

A is (CH₂)_q where q is 0-5, lower branched chain alkyl having 3-6 carbons, 15 cycloalkyl having 3-6 carbons, alkenyl having 2-6 carbons and 1 or 2 double bonds, alkynyl having 2-6 carbons and 1 or 2 triple bonds;

B is hydrogen, COOH, NO₂, P(O)(OH)₂, P(O)(OH)OR₈, P(O)(OR₈)₂, SO₂OH, SO₂(OR₈), COOR₈, CONR₉R₁₀, -CH₂OH, CH₂OR₁₁, CH₂OCOR₁₁, CHO, CH(OR₁₂)₂, CHOR₁₃O, -COR₇, CR₇(OR₁₂)₂, CR₇OR₁₃O, or tri-lower alkylsilyl, 20 where R₇ is an alkyl, cycloalkyl or alkenyl group containing 1 to 5 carbons, R₈ is an alkyl group of 1 to 10 carbons or trimethylsilylalkyl where the alkyl group has 1 to 10 carbons, or a cycloalkyl group of 5 to 10 carbons, or R₈ is phenyl or lower alkylphenyl, R₉ and R₁₀ independently are hydrogen, an alkyl group of 1 to 10 carbons, or a cycloalkyl group of 5-10 carbons, or phenyl or lower alkylphenyl, R₁₁ is lower alkyl, phenyl or lower alkylphenyl, R₁₂ is lower alkyl, and R₁₃ is divalent alkyl radical of 2-5 carbons, or a pharmaceutically acceptable salt of said compound.

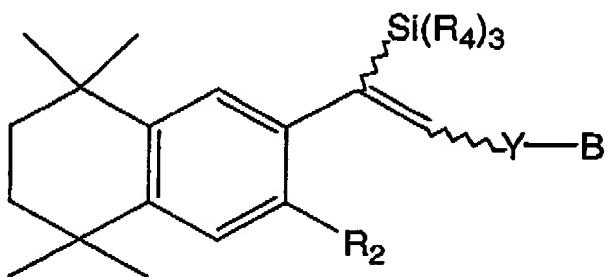
2. A compound in accordance with Claim 1 where X is (C(R₁)₂)_n and n is

1.

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3. A compound in accordance with Claim 1 where X is S.
4. A compound in accordance with Claim 1 where X is O.
5. A compound in accordance with Claim 1 where X is NR=.
6. A compound in accordance with Claim 1 where Y is phenyl.
- 5 7. A compound in accordance with Claim 1 where Y is thienyl.
8. A compound in accordance with Claim 1 having a structure selected from formulas (1) and (2).
9. A compound in accordance with Claim 8 having a structure of formula (1) where the dashed line represents absence of a bond.
- 10 10. A compound in accordance with Claim 8 having a structure of formula (1) where the dashed line represents a bond.
11. A compound in accordance with Claim 1 having a structure selected from formulas (3) and (4).
12. A compound in accordance with Claim 11 having a structure of formula (3) where the dashed line represents absence of a bond.
- 15 13. A compound in accordance with Claim 11 having a structure of formula (3) where the dashed line represents a bond.
14. A compound of the formula



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where R₂ is H or methyl, R₄ is lower alkyl of 1 to 8 carbons, Y is phenyl or thienyl and B is CH₂OH, or COOR₈ where R₈ is H or ethyl.

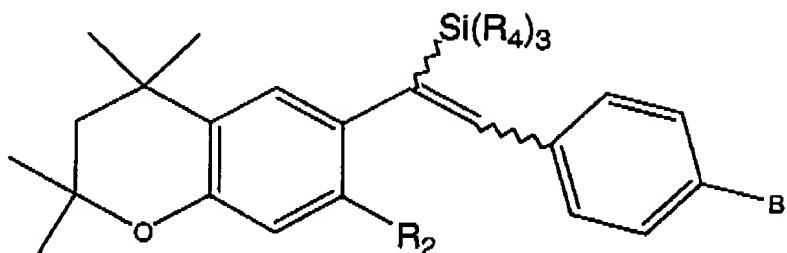
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15. A compound in accordance with Claim 14 where R_4 is methyl.
16. A compound in accordance with Claim 15 where Y is phenyl.
17. A compound in accordance with Claim 16 where R_2 is H.
18. A compound in accordance with Claim 17 where B is CH_2OH .
- 5 19. A compound in accordance with Claim 17 where B is $COOR_8$.
20. A compound in accordance with Claim 16 where R_2 is CH_3 .
21. A compound in accordance with Claim 20 where B is CH_2OH .
22. A compound in accordance with Claim 20 where B is $COOR_8$.
23. A compound in accordance with Claim 15 where Y is thiaryl.
- 10 24. A compound in accordance with Claim 23 where R_2 is H.
25. A compound in accordance with Claim 24 where B is CH_2OH .
26. A compound in accordance with Claim 24 where B is $COOR_8$.

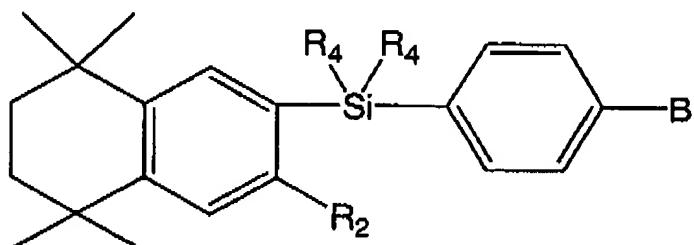
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27. A compound of the formula

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wherein \mathbf{R}_2 is H or methyl, \mathbf{R}_4 is lower alkyl of 1 to 8 carbons and \mathbf{B} is CH_2OH , or COOR_8 where \mathbf{R}_8 is H or ethyl.

28. A compound in accordance with Claim 27 where \mathbf{R}_2 is H.**29. A compound in accordance with Claim 28 where \mathbf{B} is CH_2OH .****10 30. A compound in accordance with Claim 29 where \mathbf{B} is COOR_8 .****31. A compound of the formula**

wherein \mathbf{R}_2 is H or lower alkyl, \mathbf{R}_4 is lower alkyl of 1 to 8 carbons and \mathbf{B} is $15 \text{CH}_2\text{OH}$ or COOR_8 where \mathbf{R}_8 is H or ethyl.

32. A compound in accordance with Claim 31 where \mathbf{R}_2 is H and \mathbf{R}_4 is ethyl.**33. A compound in accordance with Claim 32 where \mathbf{B} is CH_2OH .**

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34. A compound in accordance with Claim 33 where B is COOR₈.